U.S. Patent Application Sent 1 No. 10/510,396 Reply to Office Action dated December 22, 2005 Art. Unit: 1713

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

 (Currently Amended) A syntactic polyolefin composition for pipe coating, wherein the composition comprises:

a β -nucleated propylene polymer comprising 0.0001-2.0 weight% of a β -nucleating agent, and

a polyolefin homopolymer having a melt flow rate of 100-1500 g/10 min at 230°C/2.16 kg, and

microspheres,

said composition having a melt flow rate (MFR₂; ISO 1133, condition D) at 230°C/2.16kg in the range of 0.05-30 g/10 min and in that the composition has an elongation at break of at least 3%.

- 2. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said composition has a melt flow rate (MFR₂; ISO 1133, condition D) at 230°C/2.16kg in the range of 0.5-10 g/10 min.
- 3. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said composition has an elongation at break of >5%.
- 4. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the β-nucleated propylene polymer is a (co)polymer which comprises at least 90.0

U.S. Patent Application Servel No. 10/510,396 Reply to Office Action dated December 22, 2005 Art. Unit: 1713

weight% of propylene and up to 10.0 weight% of α-olefins with 2 or 4 to 18 carbon atoms, and that the propylene polymer has a melt flow rate of 0.1-8 g/10 min at 230°C/2.16 kg.

- 5. (Cancelled)
- 6. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the amount of polyolefin is 0-20 weight%.
- 7. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the tensile modulus of the composition is at least 1500 MPa determined according to ISO 527.
- 8. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the compression strength at 20 MPa/80° determined according to ASTM D695, is > 10 MPa.
- 9. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the K-value of the composition is less than 0.190 W/m°K.
- 10. (Previously Presented) A syntactic polyolefin composition according claim 1, wherein the density of the composition is 500-850 kg/m3.
- 11. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres are made of glass, ceramics, epoxy resin, phenolic resin or ureaformaldehyde resin.

U.S. Patent Application Sericl No. 10/510,396 Reply to Office Action dated December 22, 2005 Art. Unit: 1713

- 12. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres are untreated microspheres.
- 13. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres have an outer diameter of 1-500 μm.
- 14. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres are hollow.
- 15. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres are present in an amount of 10-50 weight% of the composition.
- 16. (Previously Presented) A method for the preparation of a syntactic polyolefin composition for pipe coating according to claim 1, wherein the microspheres are evenly distributed by melt mixing in a composition comprising a β-nucleated propylene polymer and microspheres, said composition having a melt flow rate at 230°C/2.16kg in the range 0.05-30 g/10min and in that the composition has an elongation at break of at least 3%.
- 17. (Previously Presented) A method according to claim 16, wherein said microspheres are added to the molten polymer.
- 18. (Previously Presented) A method according to claim 16, wherein the composition is compounded/homogenised and extruded as a coating on an off-shore pipe in one continuous step.
- 19. (Previously Presented) A method according to claim 16, wherein the composition is pelletized in a first step and in a subsequent step extruded as a coating on an off-shore pipe.

U.S. Patent Application Serud No. 10/510,396 Reply to Office Action dated December 22, 2005 Art. Unit: 1713

- 20. (Previously Presented) An off-shore pipe coated with a syntactic polyolefin composition, wherein the pipe is coated with a composition according to claim 1.
- 21. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said composition has a melt flow rate (MFR₂; ISO 1133, condition D) at 230°C/2.16kg in the range of 1.0-5 g/10 min.
- 22. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said composition has an elongation at break of >10%.
- 23. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the amount of polyolefin is 15-20 weight%.
- 24. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein the compression strength at 20 MPa/80° determined according to ASTM D695, is >15 MPa.
- 25. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres have an outer diameter of 5-200 μm.
- 26. (Previously Presented) A syntactic polyolefin composition according to claim 1, wherein said microspheres are present in an amount of 20-30 weight% of the composition.